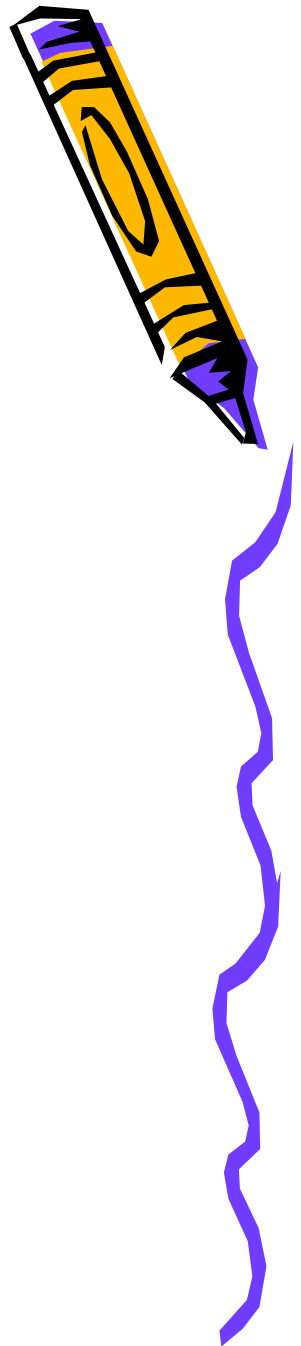


# State Department of Education Technology Update

Dawn Wilson -  
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Corey Simpson -  
[crsimpson@sde.idaho.gov](mailto:crsimpson@sde.idaho.gov)



# Agenda

State Technology Funding Formula - ICTL  
ICTL- Phase I data and Phase II Report  
EETT

DRC - Spring 2007 ISAT Vendor

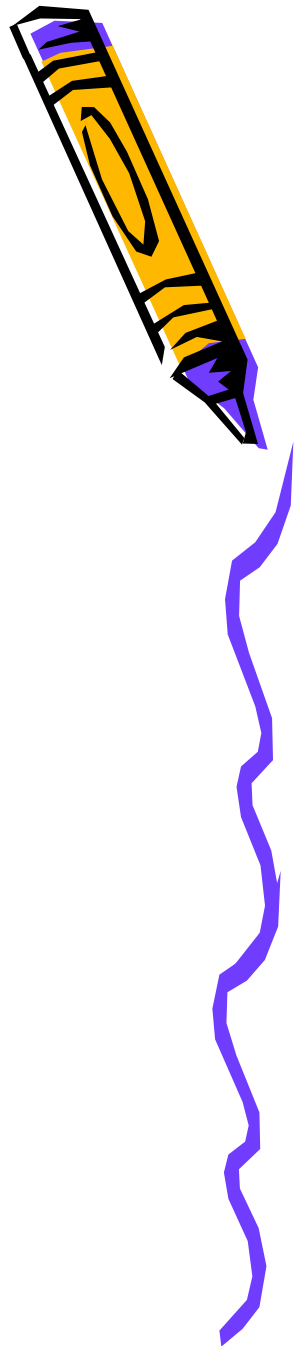
Moodle - Tech Talk site

OPE - ICTL update

OPE - ISIMS update

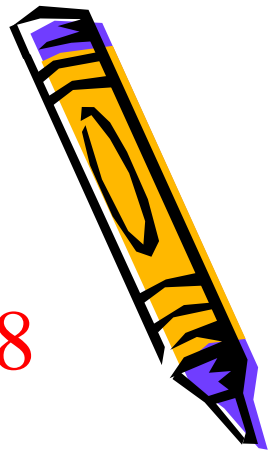
E-rate

IDLA



# ICTL State Tech Funds

- 2006-2007 ICTL funds will be \$9.8 million however...
- \$4,400,000 of the funds is for ongoing school district technology expenditures. Such expenditures may include the personnel costs associated with school district information technology staff support with no more than \$160,000 to support the ICTL administration and \$650,000 is to support the Libraries Linking Idaho (LiLI) Project. – \$3,890,000 to distribute to school districts.



# ICTL State Tech Funds



- Funding Formula – same as 2005-2006 school year
- A \$20,000 base for districts over 100 students, \$5,000 base for districts under 25 students, or sliding base for districts between 25 and 100 students calculated by multiplying ADA times \$200 and a total of a \$20,000 base for all Charter Schools. The charter schools will receive a proportionate amount of a \$20,000 base, determined by prior year average daily attendance.



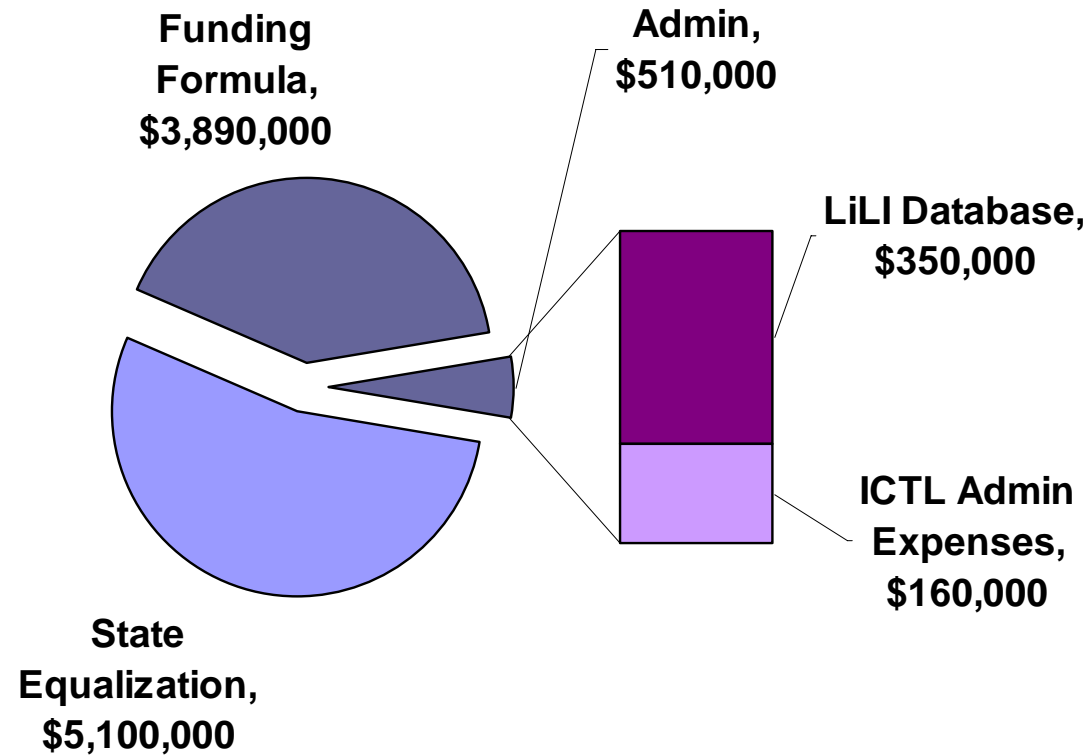
# ICTL State Tech Funds

- 2006-2007 ICTL funds will be \$9.8 million however...
- \$5,100,000 of the funds is to be distributed to school districts in a like manner as equalized, ongoing state discretionary funds. Such funds shall be expended, at the discretion of the school district board of trustees, on either purchasing technology equipment and software, or defraying costs associated with providing remedial instruction for students that fail to attain proficiency in one or more sections of the Idaho Standards Achievement Test (ISAT).



	<b>\$5,100,000 million</b>	<b>\$3,890,000 million</b>
<b>Purpose</b>	<b>Hardware, software or remediation as per the discretion of the local school board.</b>	<b>School district technology expenditures. Such expenditures may include the personnel costs associated with school district information technology staff support.</b>
<b>Disbursement of funds</b>	<b>Based upon state equalization percentage.</b>	<ul style="list-style-type: none"> <li>•Based upon ICTL funding formula.</li> <li>•\$650,000 for LiLI database.</li> <li>•\$160,000 for ICTL administrative expenses.</li> </ul>
<b>Timing for disbursement of funds</b>	<b>75% sent out in August, 2006.</b> <b>25% will be sent out in June, 2007.</b>	<b>100% sent out by January, 2007.</b>
<b>Current funding formula</b>		<ul style="list-style-type: none"> <li>•\$20,000 base for districts over 100 students,</li> <li>•\$5,000 base for districts under 25 students, or</li> <li>•sliding base for districts between 25 and 100 students calculated by multiplying the previous years ADA times \$200.</li> <li>•The remainder of the funds is distributed based upon previous years ADA.</li> </ul>
<b>Charter Schools</b>	<b>Will be allocated an amount as per the state equalization percentage.</b>	<ul style="list-style-type: none"> <li>•New charter schools will not get an allocation as the funding formula is based upon the previous years ADA.</li> <li>•A \$20,000 base amount will be for all charter schools and will be allocated based upon the previous years ADA percentage.</li> </ul>

## 06-07 ICTL Distribution



# ICTL Funding Request



ICTL has put in a request to the budget coalition for 2007-2008 in the amount of \$15 million dollars.

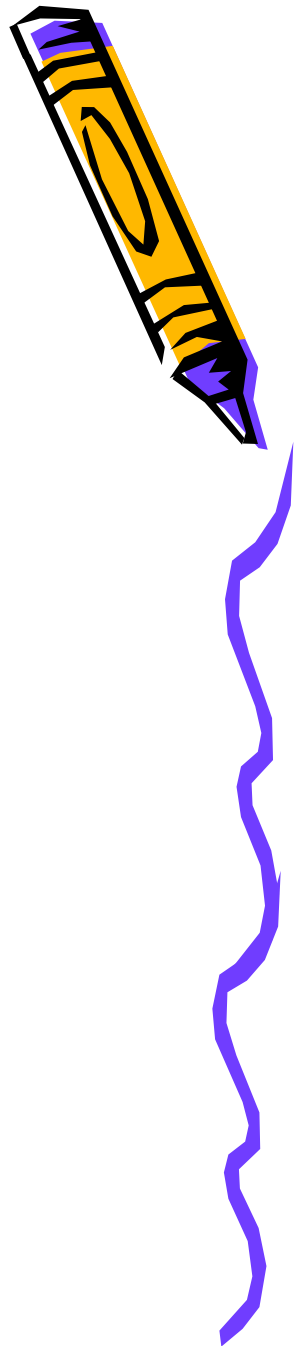
This is an increase of \$5.2 million dollars.



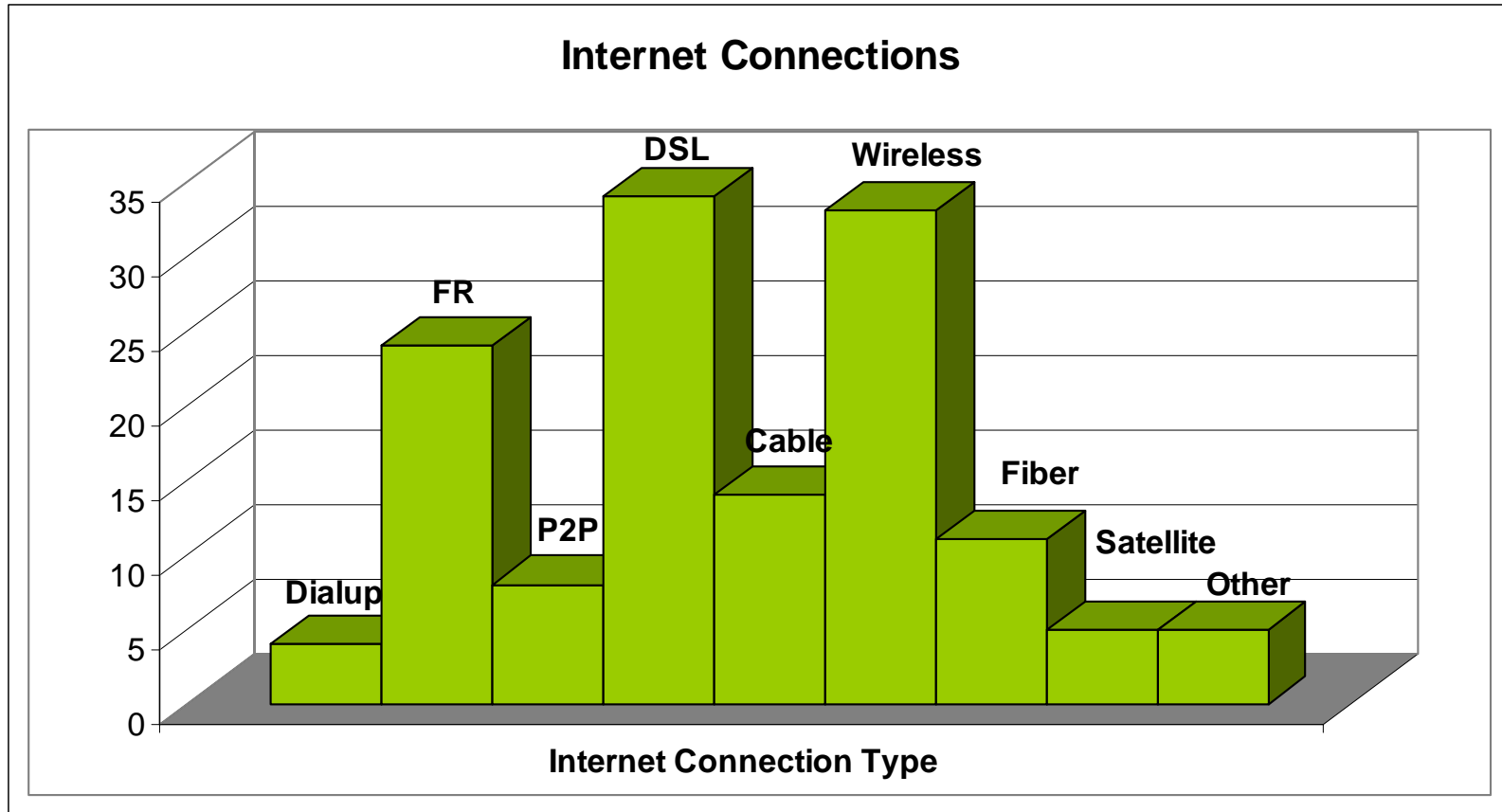


# ICTL Phase I data

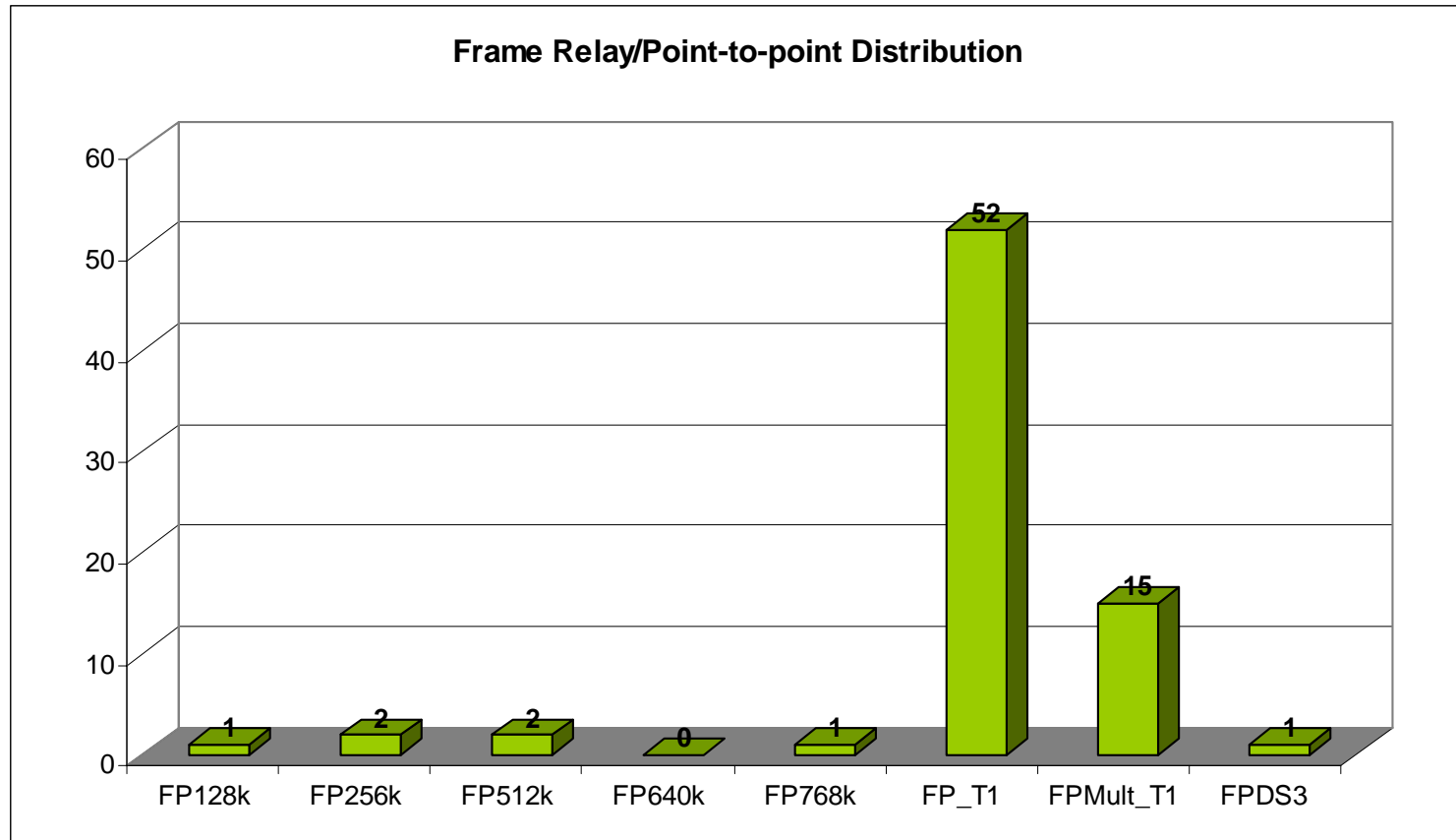
Some highlights of the ICTL Phase I  
Technology Survey



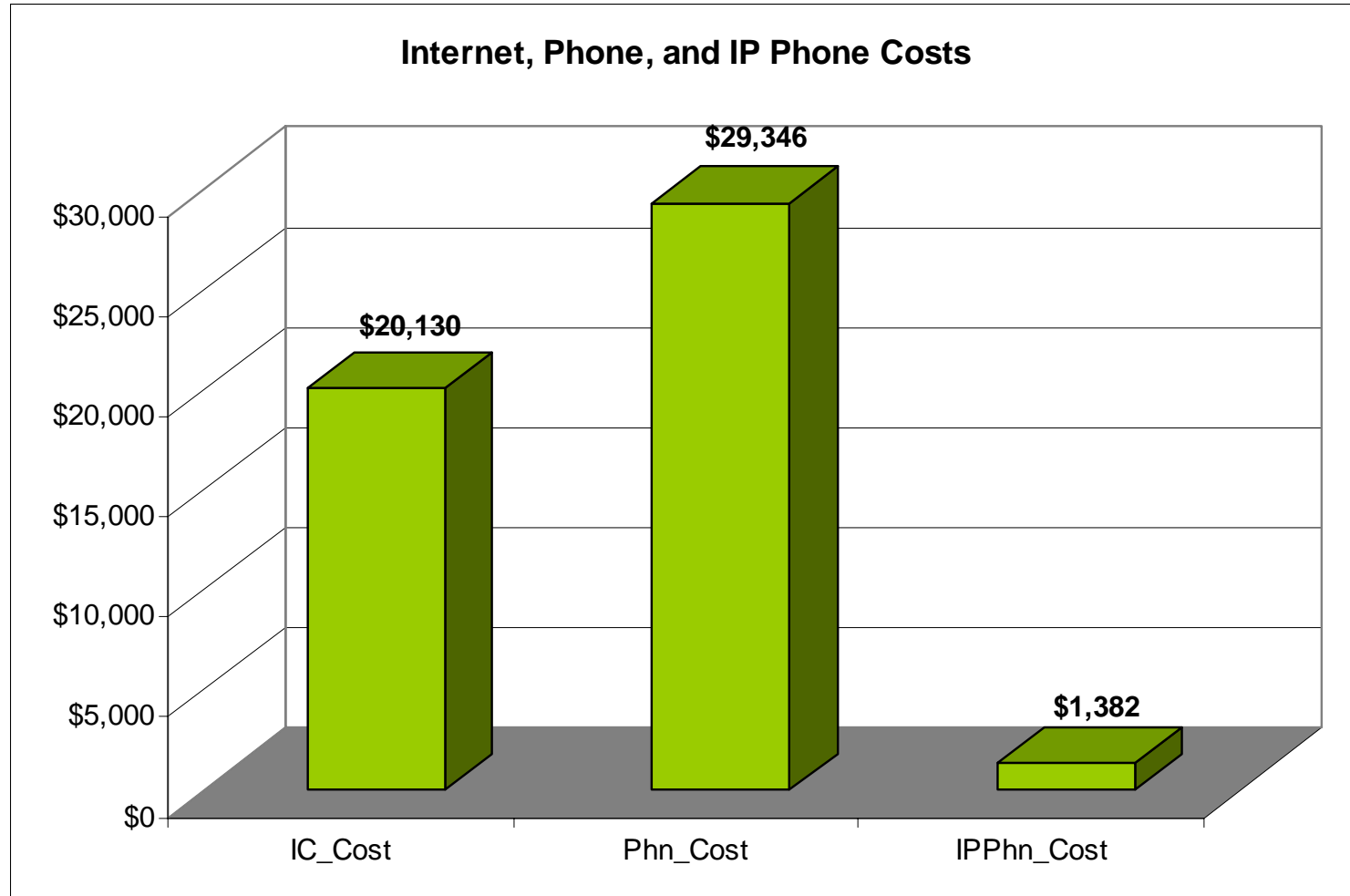
# What type of Internet connections are prevalent around the State?



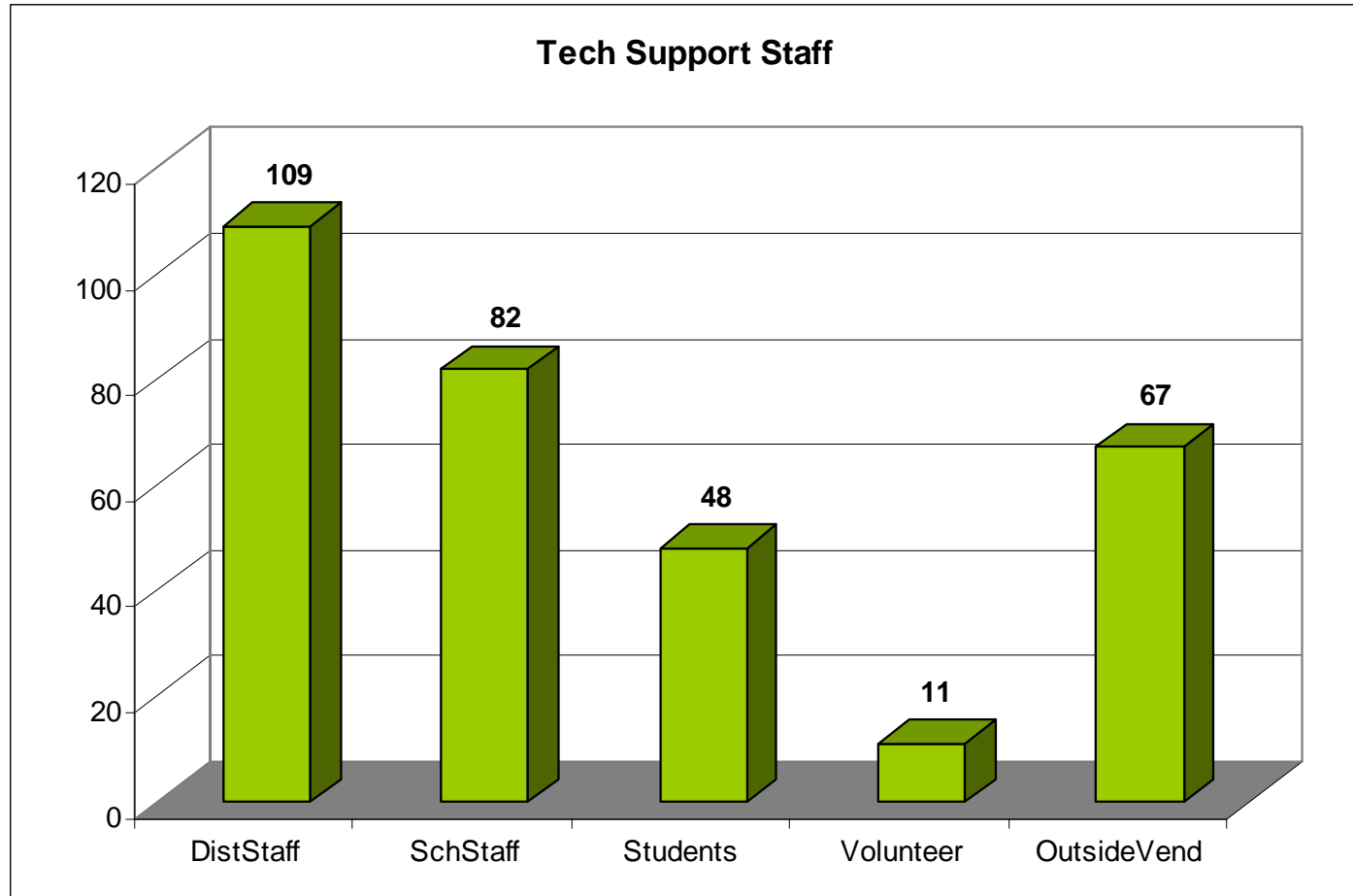
# What is the bandwidth distribution of "Frame Relay" and "Point-to-point"?



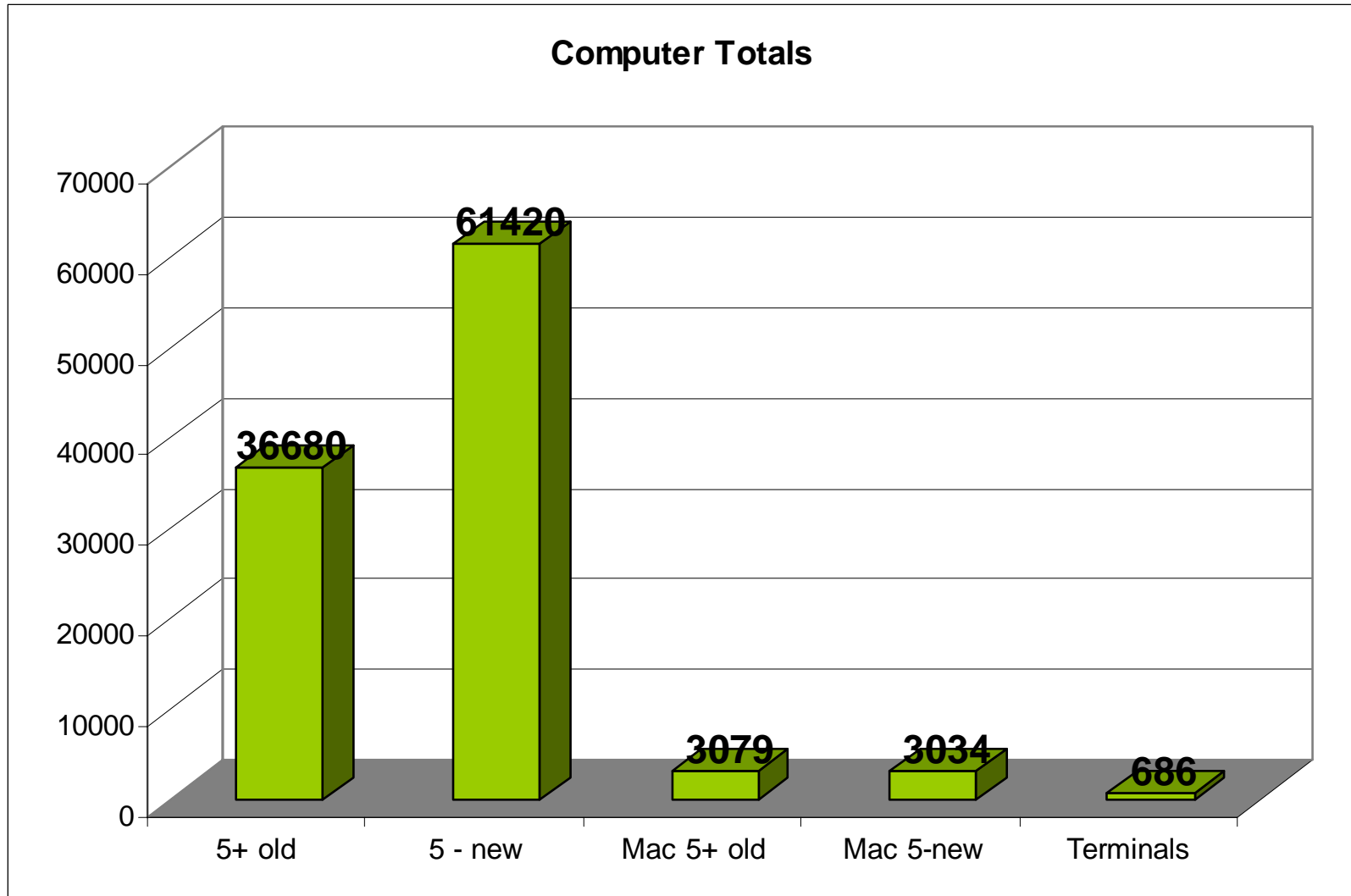
# What is the average annual "Connection" cost per year?



# Persons reported being responsible for equipment and technical support in the district.

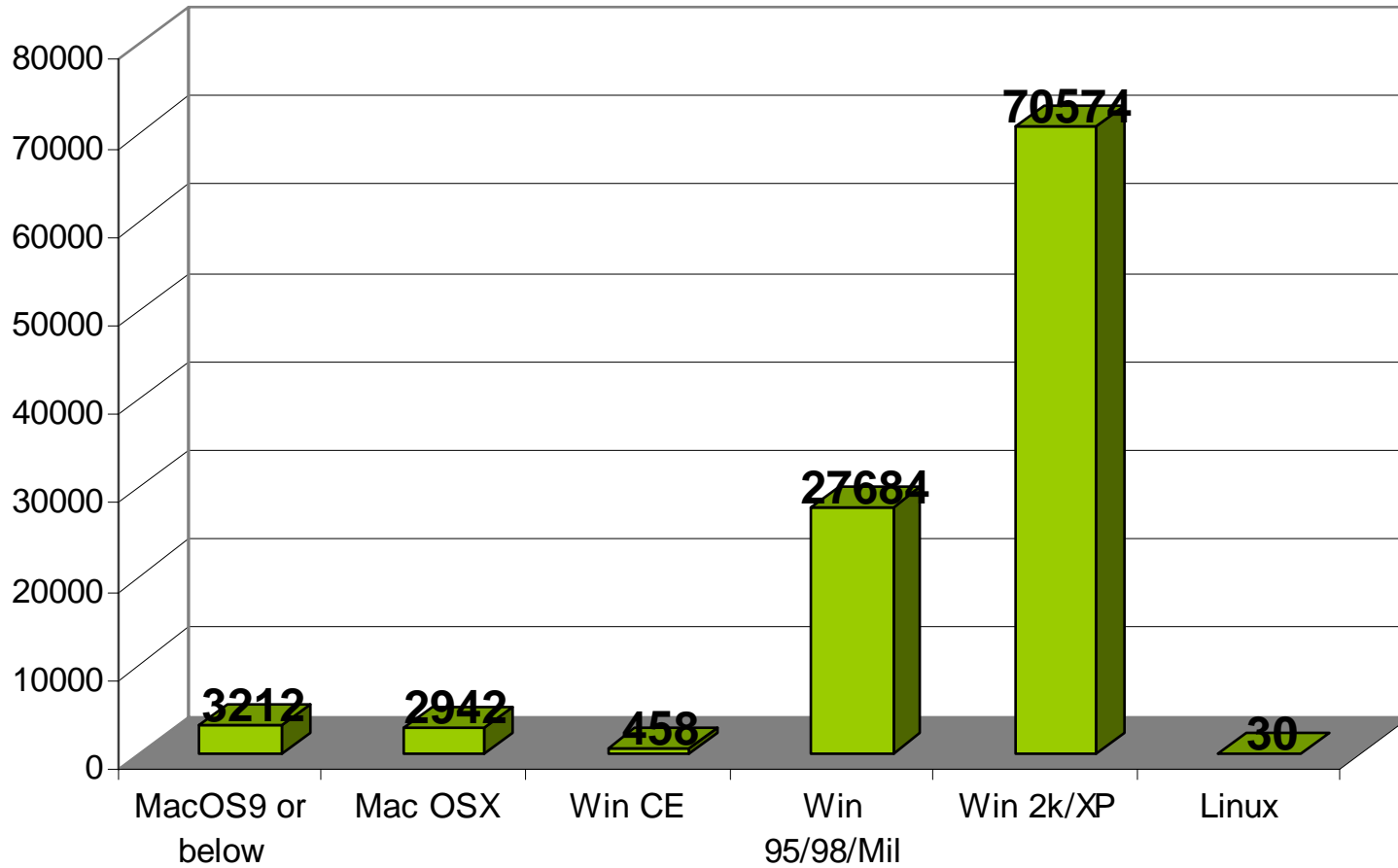


# Workstation Inventory

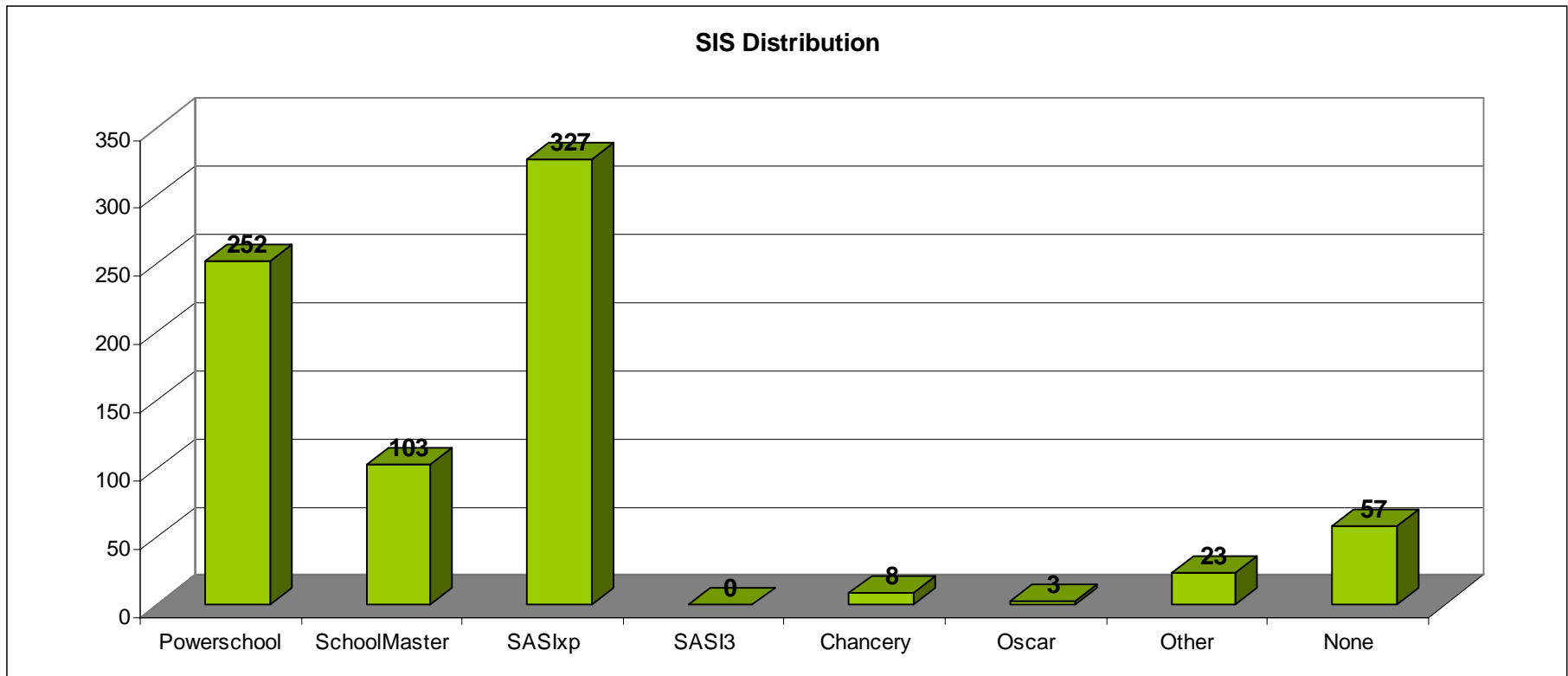


# OS Inventory

OS Distribution



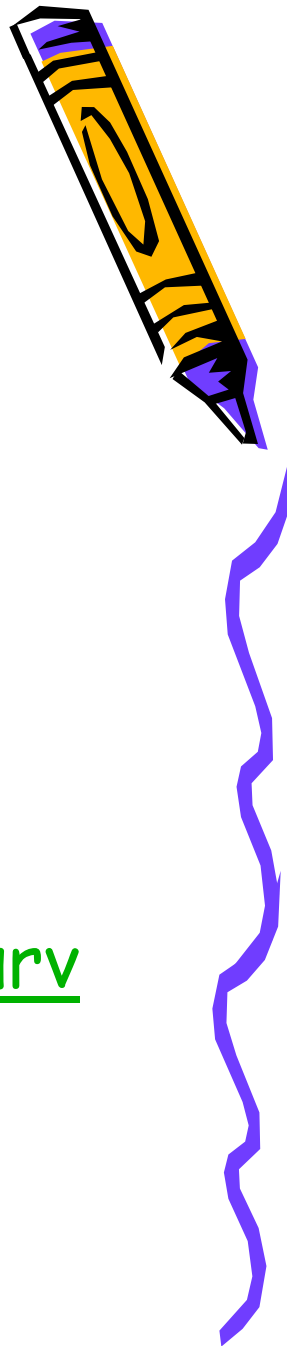
# Student management systems in use across Idaho





# ICTL State Tech Funds Reporting for 2005-2006 year

- Phase II Data Collection -
- Due October 29, 2006
  - <http://www.sde.state.id.us/bots/Survey0206/default.asp>



# 2004-2005 EETT Grant

- Idaho got \$3,304,308 – ½ formula (\$1,569,546) and ½ competitive (\$1,569,546)
- Application for the formula funds is posted at the following url – <http://www.sde.idaho.gov/bots/TitleIID.asp> along with the distribution of funds.
- Funds for both formula and competitive grants must be encumbered by September 30, 2006.



# 2004-2005 EETT Grant

- You request the funds by filling a Federal Programs Quarterly Cash Balance Report.
- Competitive grant awardees must complete on-line report by October 31, 2006.
- On-line report is at the following url -  
<http://www.sde.idaho.gov/bots/EETT/default.asp>



# 2005-2006 EETT Grant



- Idaho got \$2,280,018 – ½ formula (\$1,140,009) and ½ competitive (\$1,140,009)
- Abstracts of funded competitive projects posted at <http://www.sde.idaho.gov/bots/TitleIID.asp>
- Application for the formula funds is posted at the following url – <http://www.sde.idaho.gov/bots/TitleIID.asp> along with the distribution of funds.



# 2005-2006 EETT Grant



- Funds must be encumbered by September 30, 2007.
- You request the funds by filling a Federal Programs Quarterly Cash Balance Report.
- There is a box to check on the assurances page if you do not want to spend 25% for professional development.



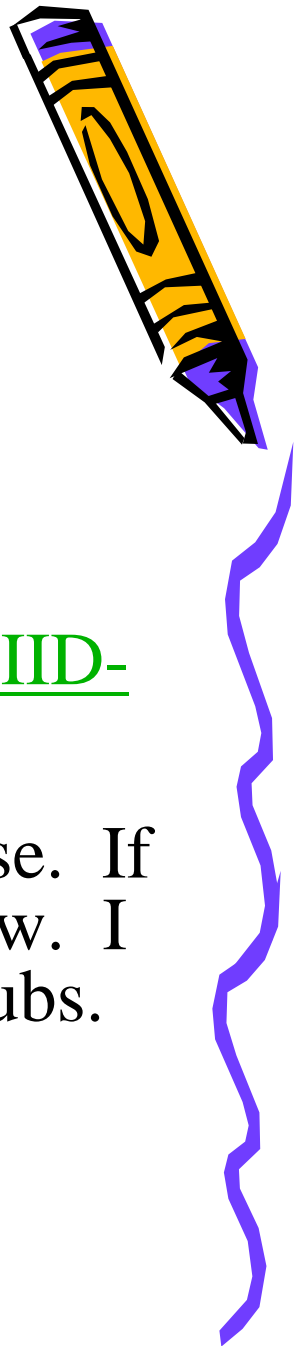
# 2006-2007 EETT Competitive Grant

- Idaho got \$1,251,481 for competitive grants.
- No formula funds.
- Focusing on technology and mathematics and/or science projects.
- Eligible schools or districts are ones that did not make AYP on at least one math indicator.



# 2006-2007 EETT Grant

- Due date is postmarked by November 17<sup>th</sup>.
- Application is at the following url -  
<http://www.sde.idaho.gov/bots/documents/TitleIID-EETT/Competitive/CompApplication0607.pdf>
- Will be reviewed on December 7<sup>th</sup> or 8<sup>th</sup> in Boise. If you would like to participate, please let me know. I can provide reimbursement for travel, but not subs.



# EETT Funding

- Federal funding is declining, not just for technology.
- If you have a story you would like told of what your district has been able to do with the EETT funds please e-mail me soon! I am in the middle of submitting a report to the U.S. Department of Education.





# New ISAT Vendor - DRC

## **REQUIRED: CAL Test Delivery Engine (CAL\_TDE)**

This is the software component that **MUST** be installed in every computer to be used by the students to take a test. Minimum system requirements for installation of the CAL\_TDE:

- Operating System: Windows 95/98/NT/ME/2000/XP/2003, Mac OSX and above
- Processor: 200 MHz
- Memory: 64 MB, 128 recommended
- Display: Monitors with a resolution of at least 800X600
- Connectivity: Able to connect to the Internet or to a local school server via http(s) on ports 80 and 443.

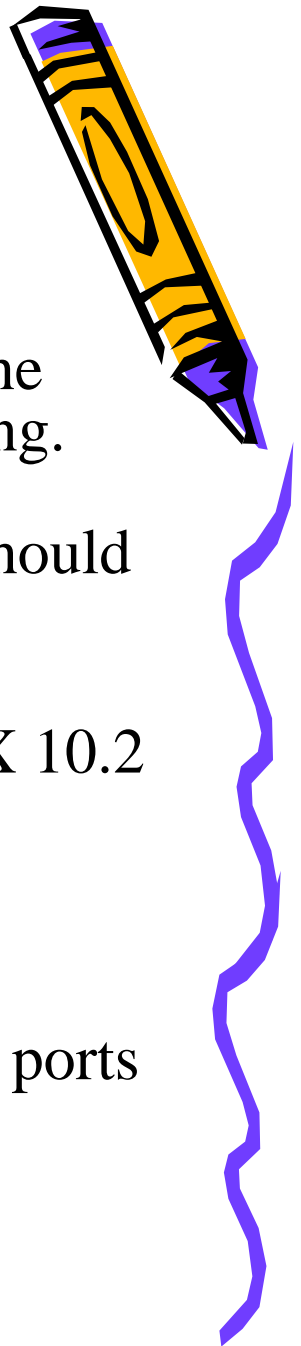


# New ISAT Vendor - DRC

## OPTIONAL: Local Caching Server (LCS)

This component is OPTIONAL and its goal is to alleviate the Internet bandwidth demands at the school level during testing. The next topic (Bandwidth requirements) will help make decisions about installation of the LCS, and if installation should be at the school level or district level. Minimum system requirements for installation of the LCS:

- Operating System: Windows 2000/NT/XP/2003, Mac OSX 10.2
- Processor: 1.2 GHz
- Memory: 512 MB
- Disk Space: Minimum 512 MB of free space.
- Connectivity: Able to connect to the Internet via http(s) on ports 80 and 443.



# New ISAT Vendor - DRC

## Bandwidth requirements –

The bandwidth demands will vary depending on the sizes of the tests the students are taking (graphically intensive tests will demand more bandwidth). For planning purposes, a good estimate of an average test size is 100KB of data. If the LCS is NOT installed and assuming a T1 Internet connection (1.54Mbps), the school would be able to test approximately 80 students simultaneously. Since all test data is downloaded to each computer during the login process, a school can easily increase its testing capacity by staggering the login process of its students by a few minutes.

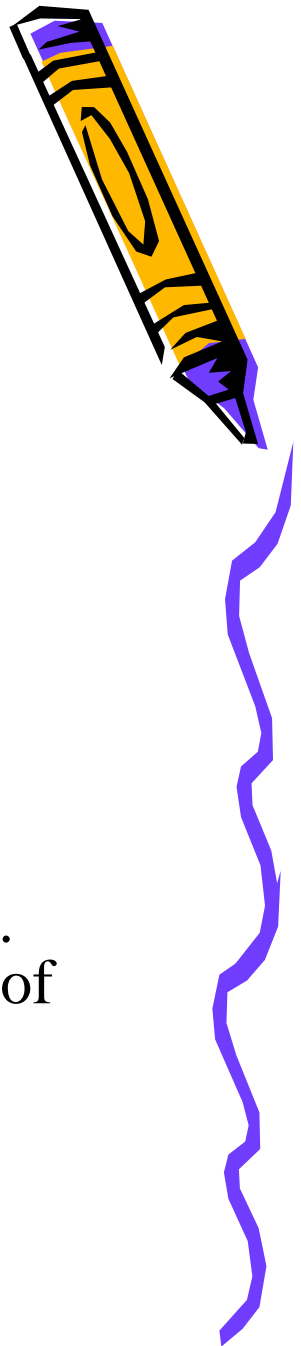


# New ISAT Vendor - DRC

Bandwidth requirements –

CAL has experience with schools testing up to 150 simultaneous users with a T1 connection following this strategy.

If an LCS is set up in a server with the minimum requirements indicated above and assuming the same T1 connection, schools or districts will be able to greatly increase the testing capacity up to 250 simultaneous users. Setting up the LCS in a higher end system such as a 1GB of RAM and 2GHz processor, will further increase testing capacity up to 500 users.



# Moodle - Tech Talk Site...

- <http://techtalk.sde.idaho.gov/>

To  
join  
the  
site,  
click  
on  
this  
link



The screenshot shows the homepage of the Idaho Tech Talk Moodle site. At the top is a dark blue header with the Idaho Department of Education logo on the left and the text "Idaho Tech Talk" in a large, stylized font. Below the header, there is a navigation bar with a "Main menu" button and a "Site news" link. The main content area is divided into two columns. The left column contains a "Login" section with a "Username:" field (containing "dewilson@sd"), a "Password:" field, and a "Login" button. Below the login fields are links for "Create new account" and "Lost password?". The right column contains a "Welcome to Idaho's TechTalk" message, followed by a paragraph explaining the site's purpose and a link to a "Moodle Features Demo" site.

**Idaho Tech Talk**  
*A tool for collaboration, discussion, and learning among Idaho's technologists, educators and technology decision makers*

**Main menu**

**Site news**

**Login**

Username: dewilson@sd

Password:

Login

Create new account  
Lost password?

**Welcome to Idaho's TechTalk, a place where technologists, educators, and technology decision makers can converge to discuss important issues, voice concerns, and share their expertise.**

This site is based on Moodle, a Course Management System (CMS) that is typically used for online course delivery. However, we've found that the tools and resources that Moodle offers works for our purposes as well. We've created technology related categories and divide that further into more specific "courses" or sites. This way, users have the flexibility to participate in their areas of interest.































A "Moodle Features Demo" site is available to familiarize new users to the tools

# Moodle - Tech Talk Site...

Join the  
"courses" or  
discussion areas  
that are of  
interest to you  
by clicking on the  
course and then  
confirming that  
you want to join.

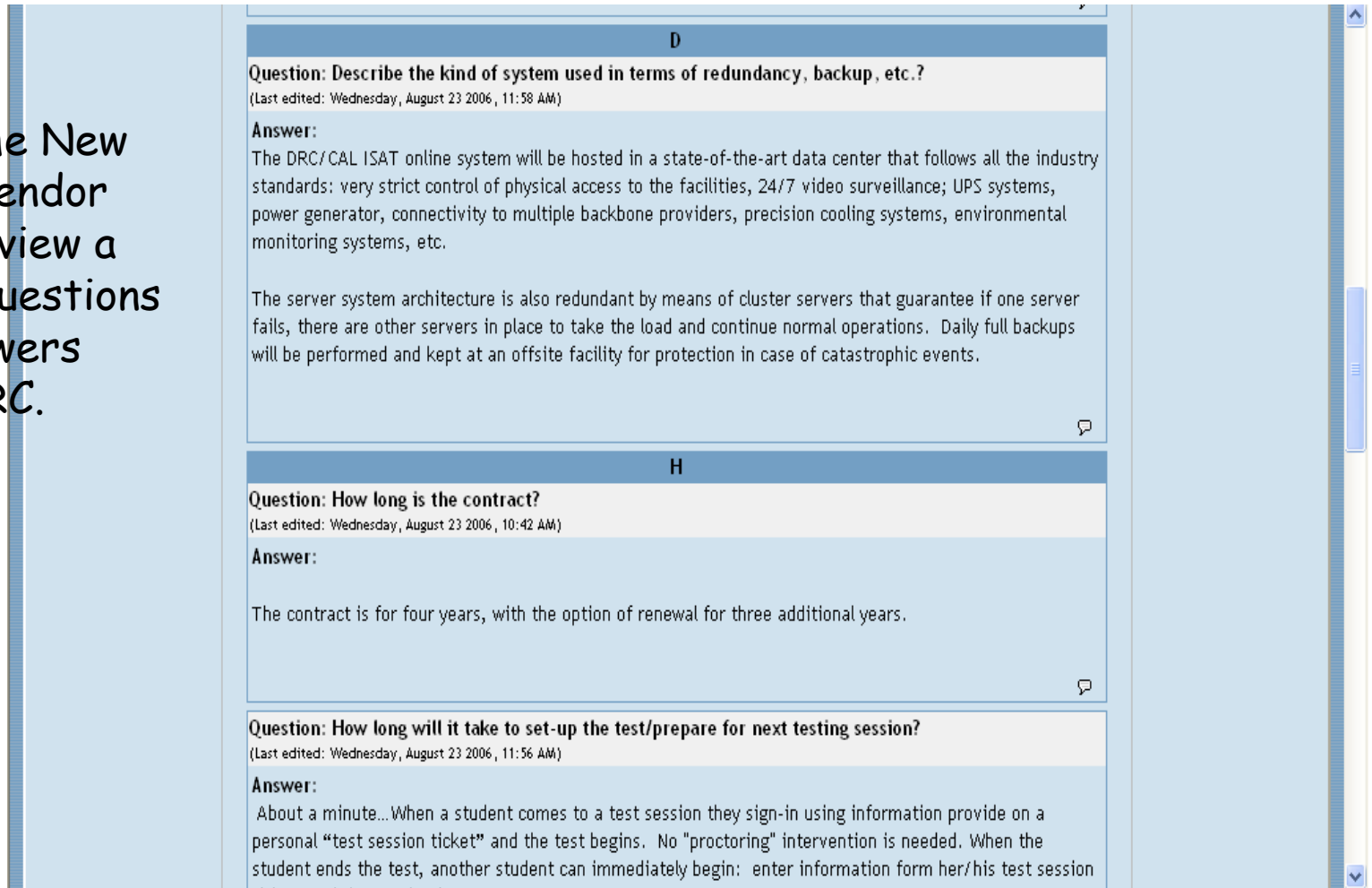
gories

### Course categories

	<b>New ISAT Vendor</b>		
	ISAT		
	<b>Idaho Education Technology Association</b>		
	IETA Conference 2007		
	Conference 2006		
	Region I IETA		
	Region II IETA		
	Region III IETA		
	Region IV IETA		
	Region V IETA		
	Region VI IETA		
	<b>Technology Planning &amp; Policy</b>		
	K-20 Technology Plan		
	Safe & Ethical Internet Use		
	<b>Technology Funding</b>		
	Coalition Funding Request		
	Puchasing Contract Information		
	Qwest Foundation for Education		
	Enhancing Education Through Technology		

# Moodle -Tech Talk site...

Go to the New ISAT Vendor area to view a list of questions and answers from DRC.



The screenshot displays a Moodle interface with a list of questions and answers. The questions are categorized by a letter (D, H) in a blue header bar. Each question entry includes the question text, the last edited date and time, and the answer text. The interface has a light blue background with a vertical sidebar on the right containing navigation icons.

**D**

**Question: Describe the kind of system used in terms of redundancy, backup, etc.?**  
(Last edited: Wednesday, August 23 2006, 11:58 AM)

**Answer:**  
The DRC/CAL ISAT online system will be hosted in a state-of-the-art data center that follows all the industry standards: very strict control of physical access to the facilities, 24/7 video surveillance; UPS systems, power generator, connectivity to multiple backbone providers, precision cooling systems, environmental monitoring systems, etc.

The server system architecture is also redundant by means of cluster servers that guarantee if one server fails, there are other servers in place to take the load and continue normal operations. Daily full backups will be performed and kept at an offsite facility for protection in case of catastrophic events.

**H**

**Question: How long is the contract?**  
(Last edited: Wednesday, August 23 2006, 10:42 AM)

**Answer:**  
The contract is for four years, with the option of renewal for three additional years.

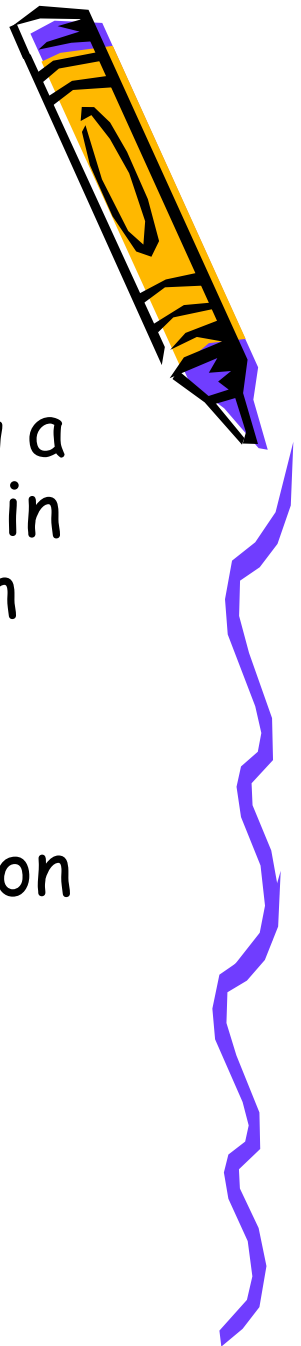
**Question: How long will it take to set-up the test/prepare for next testing session?**  
(Last edited: Wednesday, August 23 2006, 11:56 AM)

**Answer:**  
About a minute...When a student comes to a test session they sign-in using information provide on a personal "test session ticket" and the test begins. No "proctoring" intervention is needed. When the student ends the test, another student can immediately begin: enter information form her/his test session

# Moodle -Tech Talk site...

In partnership with IETA, will be forming a Tech Talk site committee that will assist in managing the site and keeping information current.

The committee will also provide guidance on the promotion and direction of tech talk site.





# Moodle - OETC

OETC is working to expand service offerings and now have free Moodle hosting up to 200 MB available to members!

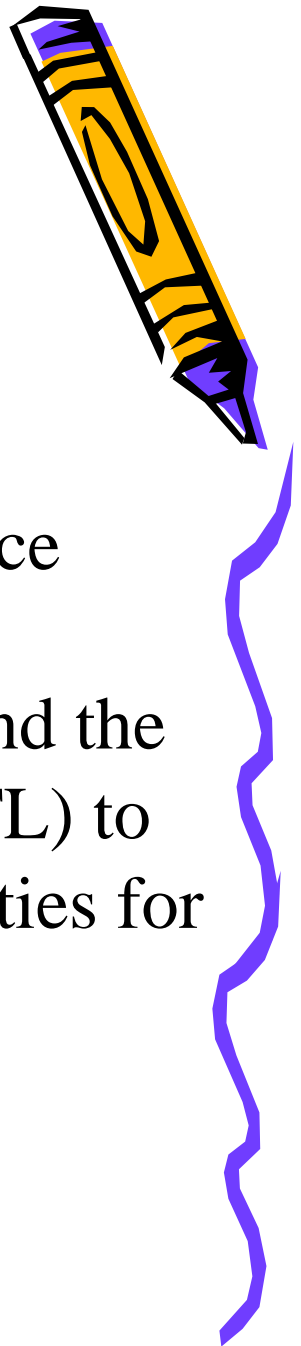
## How Do Members Sign Up?

OETC members may sign-up online by going to <http://www.eduhost.org> and clicking "Sign Up" in the upper right-hand corner of the main page. The web site will walk you through setting up your own domain name and activating your new Moodle account.

If you have any questions or would like to discuss setting up a larger account, please contact Jake Rosenbalm at OETC at [jake@oetc.org](mailto:jake@oetc.org) or 503.694.4499.



# OPE Report - ICTL update



In the January 2005 report, Public Education Technology Initiatives, the Office of Performance Evaluation (OPE) made 12 recommendations to improve the ability of the Board of Education and the Idaho Council for Technology in Learning (ICTL) to comply with statute and fulfill their responsibilities for technology assessment and guidance.



# OPE Report - ICTL update



In August 2006 OPE did a follow-up report and found –

The Board and the Council have each implemented one recommendation; the council is in the process of implementing five recommendations; three recommendations have not been implemented; and two recommendations have been addressed by changes to legislation and state plans.



# OPE Report - ICTL update



- Full report is available at -  
<http://www.legislature.idaho.gov/ope/publications/reports/r0606f.pdf>
- OPE will do another follow-up report in August 2007.
- What does that mean????



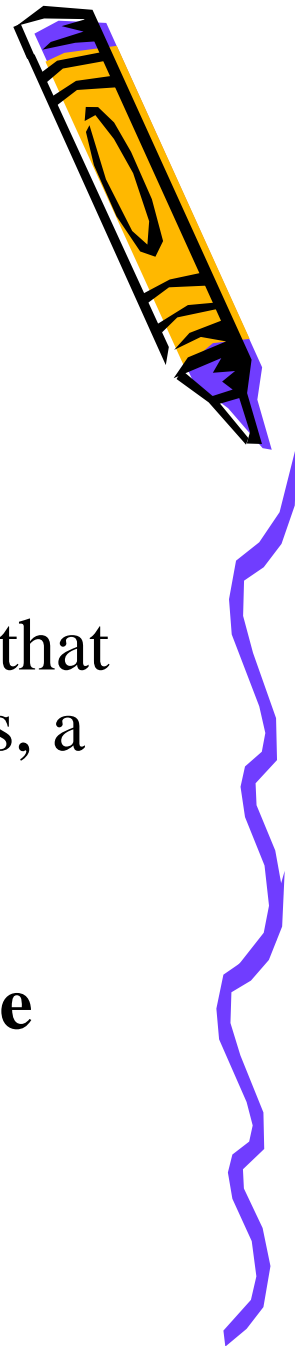
# OPE Report - ICTL update



Projects that the ICTL, the Public Education Information Technology Committee (PEITC), and the Higher Education Information Technology Committee (HEITC) will be working on over the next four months and needing input include the following ....



# OPE Report - ICTL update



- The K-20 Technology Plan
- ITRMC Guidance Document
- Revamping Phase I... Will be an application that consists of three sections: inventory questions, a project plan, best practices/follow-up report.
- Phase II will be gone!
- **Taken to ICTL in December and then State Board of Education in Spring, 2007.**



# OPE - ISIMS

The object of the report has been to identify lessons that may be constructively applied to future state efforts, not to assign blame for past failures or credit for successes.



# OPE - ISIMS

The Idaho Student Information Management System (ISIMS) project began formally in November 2001 and was terminated three years later, in December 2004. The project had both positive and negative impacts.

Positive impacts included school and district recognition of the need for standardized data collection, understanding of technology issues, and awareness of technological limitations.

Negative impacts included poor morale, during and after the project, as well as reservations about future public-private partnerships.





# OPE - ISIMS

Future efforts by the Board of Education and the Department of Education to improve the collection and maintenance of student information in Idaho would benefit from the lessons of the ISIMS project. In Idaho's unique educational context, technology projects should –

- clearly define the roles and responsibilities of all stakeholders,
- take steps to ensure end users are adequately involved at each stage, and
- maintain a realistic project scope, supported by realistic expectations of technology and an updated project plan.



# OPE - ISIMS



Full Report can be viewed at -

<http://www.legislature.idaho.gov/ope/publications/reports/r0602.pdf>



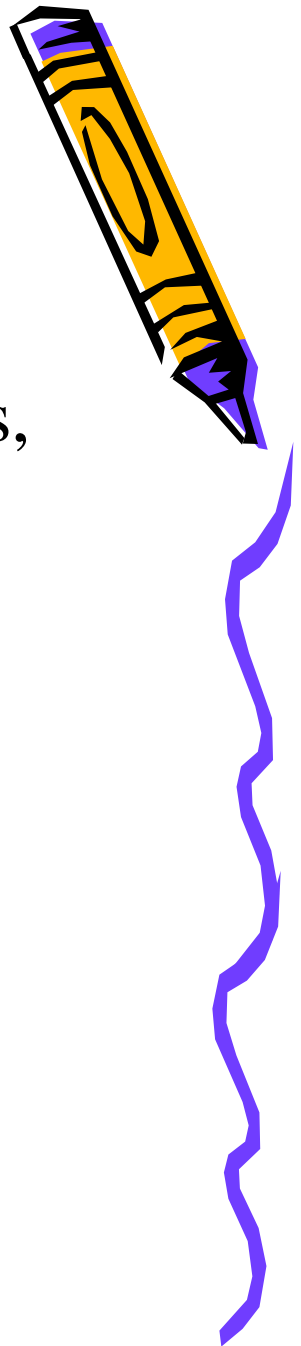
# E-rate

Is a federal program under the FCC to give discounted telecommunications service to schools, libraries, and rural health care facilities.

The url is - <http://www.universalservice.org/sl/>

Have developed a tip sheet -

<http://www.universalservice.org/sl/about/tip-sheets.aspx>

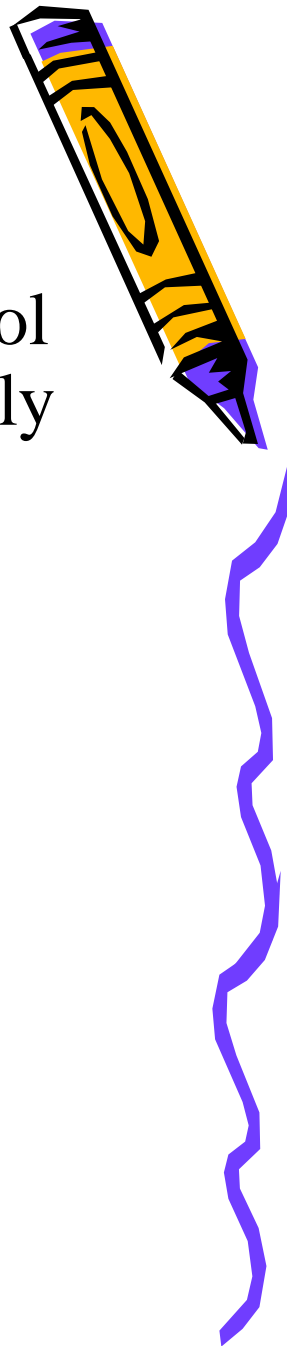


# E-rate

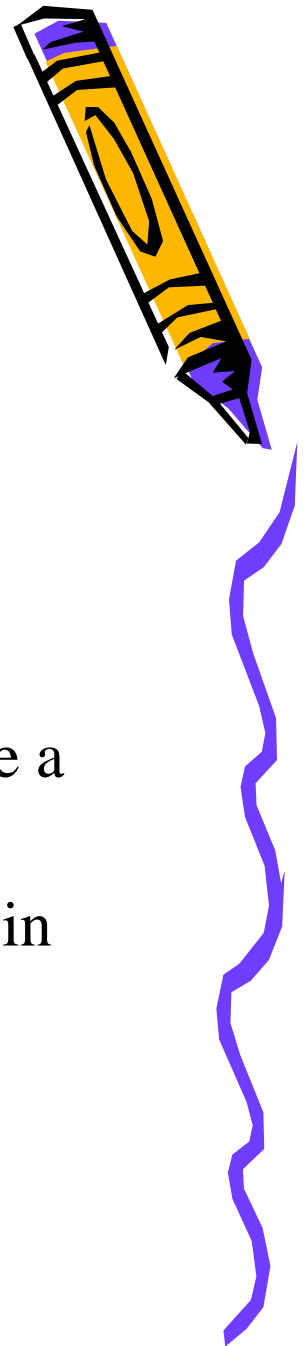
The E-rate filing window for the 2007-2008 school year will begin in November and will close in early February.

Must have a technology plan. For Idaho School Districts will be part of the School Accreditation process. Done on-line through the District Continuous Improvement Planning Tool -

<http://www.sde.idaho.gov/CIPTool/default.asp>



# Supporting IDLA Students in Your District



- 78% of districts across Idaho use IDLA
- On track for a 100% increase in enrollment this Fall
- Recent evaluation and data trends suggest:
  - Technology issues such as Internet connections are a challenge for 80% of students taking IDLA
  - Local School support is critical to student success in IDLA courses

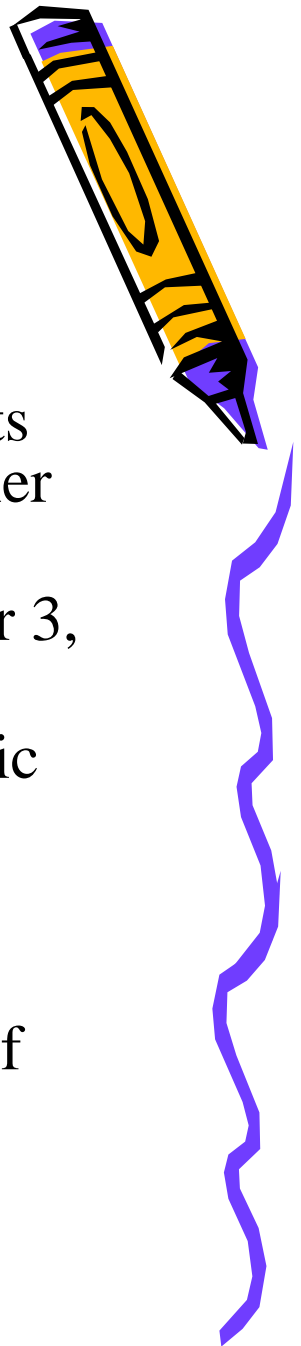


# Suggestions for Technology Coordinators

- Check firewall settings and Proxy settings to ensure exceptions are added for \*.blackboard.com
- Some courses require student access to headphones/speakers and/or microphones
  - Examples: Spanish, Speech
  - Have resources available for checkout for students before the course starts
- Students need e-mail access to communicate with IDLA teachers
  - Examples: gaggle.net or other student e-mail options
  - Ensure email settings allow outside email
- Ensure students can view videos from idla.blackboard.com
  - Orientation includes plug-in/video tests

# Suggestions Cont...

- Be available the first week courses start if local students need software installs (Java, Flash, Shockwave and other plug-ins)
  - IDLA Course Start Dates: September 15, November 3, December 1, January 26, March 2
  - Orientation Courses offered throughout the academic year
- Video is becoming more prevalent in our courses
  - CD's can be made available to view videos offline
  - Have student request a CD from the IDLA teacher if they are having troubles accessing video content



# IDLA Technical Support

Ryan Gravette

- [rgravette@idla.k12.id.us](mailto:rgravette@idla.k12.id.us)
- 208-342-0207

Feel free to post questions on the TechTalk  
IDLA forums

